



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of : Group Art Unit 2653  
Hardayal S. Gill : Examiner: Christopher R. Magee  
Serial No.: 10/081,046 : Docket No. SJO920010142US1

Title: Magnetoresistance Sensor Having an Antiferromagnetic Pinning Layer with Both Surfaces Pinning Ferromagnetic Bias Layers

**U. S. Patent 6,961,225 B2**

Issued: November 1, 2005

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**LETTER REQUESTING CERTIFICATE OF CORRECTION**

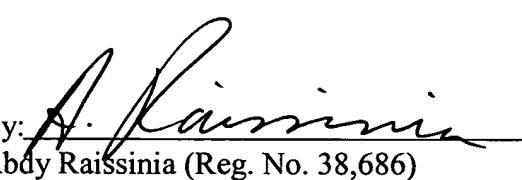
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate  
JAN 31 2006  
of Correction**

Dear Sir:

Corrections that are necessary for this patent are listed on the attached "Certificate of Correction". If applicable, the Commissioner is hereby authorized to charge payment of any fees associated with this Certificate of Correction to Deposit Account 09-0466. A duplicate of this sheet is attached.

Respectfully submitted,

By:   
Abdy Raissinia (Reg. No. 38,686)  
Attorney for Applicants  
IBM Corporation, (L2PA/J2C)  
650 Harry Road  
San Jose, CA 95120  
(408) 927-3388

**JAN 31 2006**



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: Group Art Unit 2653

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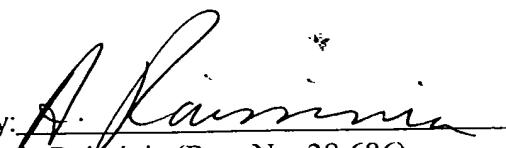
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UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTIONPATENT NO. : 6,961,225 *b2*Page 1 of 1

APPLICATION NO.: 10/081,046

ISSUE DATE : November 1, 2005

INVENTOR(S) : Hardayal Singh Gill

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, line 24, after "antiferromagnetic", insert --layer--.

Column 8, line 40, after "antiferromagnetic", insert --layer--.

## MAILING ADDRESS OF SENDER (Please do not use customer number below):

IBM Corporation  
650 Harry Road (L2PA/J2C)  
San Jose, CA 95120

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JAN 31 2006